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MOLLUSCA OF ARKANSAS, LOUISIANA AND MISSISSIPPI.

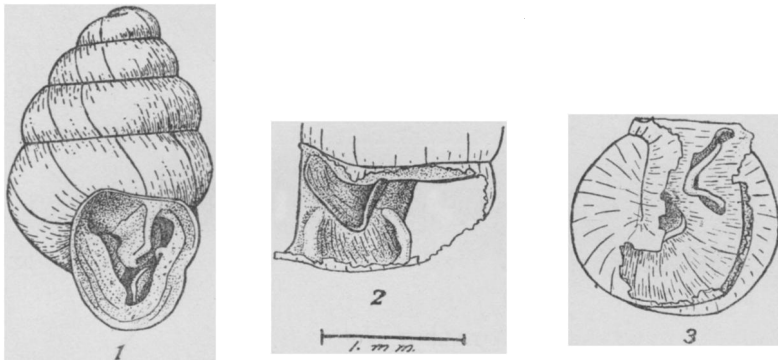
BY E. G. VANATTA.

The following species of shells were collected by Mr. Clarence B. Moore and presented to the Academy of Natural Sciences. In the absence of any records covering the region, it was thought desirable to list the species found.

Bifidaria contracta olimeana n. var. Figs. 1, 2, 3.

Shell similar to typical *contracta* Say, but the parietal tooth lacks the inner continuation, being L-shaped.

Alt. 2.29, diam. 1.43 mm.



Type in the collection of the Academy number 97,605 from near Anderson Landing, on the Sunflower River near the confluence with the Yazoo River, Sharkey Co., Miss. Also in the collection from near Blakeley, Baldwin Co., Ala.; Simpson Island, Baldwin Co., Ala. (Clarence B. Moore); Calera and Wetumpka, Ala. (H. H. Smith); O'Neil Landing, Yazoo Co., Miss. (C. B. Moore); City Park, New Orleans, La. (S. N. Rhoads); above Eagle Island Landing, Franklin Parish and Sycamore Landing, Morehouse Parish, La. (Clarence B. Moore); Carlock Place and Tebbs Place, Ashley Co., and near Menard Landing, Arkansas Co., Ark. (C. B. Moore); Navidad River bottom, Jackson Co., Tex. (J. D. Mitchell).

Named in honor of Mr. Arthur W. Clime, one of Mr. Moore's assistants.

St. Francis River, Cross Co., Ark., collected by Arthur W. Clime:

POLYGYRA THYROIDUS Say.
POLYGYRA DENOTATA Fer.
CIRCINARIA CONCAVA Say.
ZONITOIDES MINUSCULA Binn.
MESOMPHIX LÆVIGATA Beck.

St. Francis River, seven miles above Parkin, Cross Co., Ark.,
collected by Arthur W. Clime:

CIRCINARIA CONCAVA Say.
OMPHALINA FRIABILIS W. G. B.
ZONITOIDES SINGLEYANA Pils.

Near Wampoo Landing, Arkansas River, Pulaski Co., Ark.:

POLYGYRA LEPORINA Gld.
VITREA INDENTATA Say.
ZONITOIDES ARBOREA Say.
ZONITOIDES MINUSCULA Binn.
HELICODISCUS PARALLELUS Say.

About twenty-five miles below Pine Bluff, Arkansas River, Jefferson
Co., Ark.:

POLYGYRA THYROIDUS Say.

About thirty miles above Pine Bluff, Arkansas River, Jefferson
Co., Ark.:

POLYGYRA ALBOLABRIS ALLENI Weth.

Sladers Landing, Arkansas River, Jefferson Co., Ark.:

POLYGYRA INFLECTA Say.
BIFIDARIA CORTICARIA Say.
STROBILOPS LABYRINTHICA Say.
VITREA SIGNIFICANS Bld.
VITREA HAMMONIS Ström.
EUCONULUS CHERSINUS TROCHULUS Reinh.
HELICODISCUS PARALLELUS Say.
PYRAMIDULA ALTERNATA Say.

Old River Landing, Arkansas River above Arkansas Post, Arkansas
Co., Ark.:

POLYGYRA THYROIDUS Say. Imperforate.

Between South Bend and Douglas, Arkansas River, Arkansas Co., Ark.:

POLYGYRA THYROIDUS Say. Umbilicate and imperforate.

Near Menard Landing, Arkansas River, Arkansas Co., Ark.:

POLYGYRA INFLECTA Say.

BIFIDARIA CONTRACTA CLIMEANA Van.

STROBILOPS STREBELI AENEA Pils.

MESOMPHIX LÆVIGATA Pfr.

VITREA INDENTATA Say.

STRIATURA MILIUM Mse.

ZONITOIDES ARBOREA Say.

ZONITOIDES MINUSCULA Binn.

PYRAMIDULA ALTERNATA Say.

Near Douglas, Arkansas River, Lincoln Co., Ark.:

BIFIDARIA PENTODON Say.

ZONITOIDES ARBOREA Say.

ZONITOIDES MINUSCULA Binn.

PYRAMIDULA ALTERNATA Say.

A few miles below Camden, Ouachita River, Ouachita Co., Ark.:

POLYGYRA THYROIDUS Say.

POLYGYRA OBSTRICTA CAROLINENSIS Lea.

Kent, near Camden, Ouachita Co., Ark., about two miles from the Ouachita River:

POLYGYRA THYROIDUS Say. Imperforate.

POLYGYRA INFLECTA Say.

POLYGYRA LEPORINA Gld.

POLYGYRA OBSTRICTA CAROLINENSIS Lea.

BIFIDARIA CONTRACTA Say.

VERTIGO MILIUM Gld.

STROBILOPS STREBELI AENEA Pils., Young.

VITREA INDENTATA UMBILICATA Ckll.

STRIATURA MILIUM Mse.

ZONITOIDES ARBOREA Say.

CARYCHIUM EXILE Lea.

Friar's Bluff, Ouachita River, Ouachita Co., Ark.:

STROBILOPS STREBELI AENEA Pils.

ZONITOIDES ARBOREA Say.

OMPHALINA CUPREA Raf.

STRIATURA MILIUM MERIDIONALIS Pils.

EUCONULUS CHERSINUS TROCHULUS Reinh.

HELICODISCUS PARALLELUS Say.

Near Purdue Wood Camp, Ouachita River, Calhoun Co., Ark.:

POLYGYRA THYROIDUS Say. Imperforate.

POLYGYRA INFLECTA Say.

POLYGYRA LEPORINA Gld.

VITREA INDENTATA UMBILICATA Ckll.

ZONITOIDES ARBOREA Say.

ZONITOIDES MINUSCULA Binn.

EUCONULUS CHERSINUS TROCHULUS Reinh.

Keller Place Landing, Ouachita River, Calhoun Co., Ark.:

POLYGYRA THYROIDUS Say. Imperforate.

POLYGYRA LEPORINA Gld.

BIFIDARIA CONTRACTA Say.

VERTIGO OSCARIANA St.

STROBILOPS TEXASIANA Pils.

VITREA INDENTATA UMBILICATA Ckll.

STRIATURA MILIUM MERIDIONALIS Pils.

ZONITOIDES ARBOREA Say.

OMPHALINA CUPREA Raf.

EUCONULUS CHERSINUS TROCHULUS Reinh.

CARYCHIUM EXILE Lea.

Carlock Place, Bayou Bartholomew, Ashley Co., Ark.:

POLYGYRA THYROIDUS Say. Imperforate.

POLYGYRA INFLECTA Say.

POLYGYRA LEPORINA Gld.

BIFIDARIA CONTRACTA CLIMEANA Van.

STROBILOPS LABYRINTHICA Say.

VITREA INDENTATA Say.

VITREA HAMMONIS Ström.

ZONITOIDES ARBOREA Say.

ZONITOIDES MINUSCULA Binn.

Tebbs Place, Bayou Bartholomew, Ashley Co., Ark.:

POLYGYRA INFLECTA Say.

BIFIDARIA CONTRACTA CLIMEANA Van.
VITREA INDENTATA Say.
STRIATURA MILIUM Mse.
ZONITOIDES ARBOREA Say.
ZONITOIDES MINUSCULA Binn.

Lovett Landing, Bayou Bartholomew, Morehouse Parish, La.:

ZONITOIDES ARBOREA Say.
ZONITOIDES SINGLEYANA Pils.
VERTIGO RUGULOSA St.

Sycamore Landing, Bayou Bartholomew, Morehouse Parish, La.:

BIFIDARIA CONTRACTA CLIMEANA Van.
BIFIDARIA PENTODON TAPPANIANA Ad.
STROBILOPS TEXASIANA Pils.
ZONITOIDES ARBOREA Say.

Wards Place near Wardville, Bayou Bartholomew, Morehouse Parish, La.:

STROBILOPS STREBELI AENEA Pils.
ZONITOIDES MINUSCULA Binn.
ZONITOIDES SINGLEYANA Pils.

Near Miller Landing, Bayou Bartholomew, Morehouse Parish, La.:

POLYGYRA THYROIDUS Say.
ZONITOIDES ARBOREA Say.
ZONITOIDES MINUSCULA Binn.
PYRAMIDULA ALTERNATA Say. Young.

Mound Landing, Bayou Bartholomew, Morehouse Parish, La.:

POLYGYRA THYROIDUS Say.

Near Jones, Bayou Bartholomew, Morehouse Parish, La.:

POLYGYRA THYROIDUS Say.
POLYGYRA INFLECTA Say.
BIFIDARIA PENTODON TAPPANIANA Ad.
STROBILOPS STREBELI AENEA Pils.
VITREA INDENTATA Say.
OMPHALINA FRIABILIS Binn.
MESOMPHIX LÆVIGATA Beck.
PYRAMIDULA ALTERNATA Say.

Wilson Landing, Bayou Bartholomew, Morehouse Parish, La.:

STROBILOPS LABYRINTHICA Say.

VITREA INDENTATA UMBILICATA Ckl.

Above Charlieville, Boeuf River, Richland Parish, La.:

STROBILOPS STREBELI AENEA Pils.

ZONITOIDES ARBOREA Say.

Port Union Landing, Ouachita River, Ouachita Parish, La.:

ZONITOIDES ARBOREA Say.

Myatt's Landing, Ouachita River, Ouachita Parish, La.:

ZONITOIDES SINGLEYANA Pils.

Stubbs Plantation, Ouachita River, Ouachita Parish, La.:

ZONITOIDES ARBOREA Say.

Above Eagle Landing, Bayou Boeuf, Franklin Parish, La.:

POLYGYRA THYROIDUS Say.

BIFIDARIA CONTRACTA CLIMEANA Van.

STROBILOPS STREBELI AENEA Pils.

Dailey Landing, Boeuf River, Franklin Parish, La.:

POLYGYRA THYROIDUS Say. Nearly imperforate.

POLYGYRA INFLECTA Say.

ZONITOIDES ARBOREA Say.

MESOMPHIX LÆVIGATA Beck.

PYRAMIDULA ALTERNATA Say.

Jones Landing, Bayou Boeuf, Franklin Parish, La.:

POLYGYRA THYROIDUS Say. Imperforate.

EUGLANDINA ROSEA BULLATA Gld.

Blue Cane Landing, Black River, Catahoula Parish, La.:

POLYGYRA THYROIDUS Say.

BIFIDARIA PENTODON TAPPANIANA Ad.

STROBILOPS STREBELI AENEA Pils.

VITREA INDENTATA Say.

ZONITOIDES ARBOREA Say.

One mile below Harrisonburg, Ouachita River, Catahoula Parish,
La.:

VITREA INDENTATA Say.
ZONITOIDES ARBOREA Say.

Welch Landing, Ouachita River, Catahoula Parish, La.:

STROBILOPS STREBELI Pfr.
VITREA INDENTATA Say.
ZONITOIDES ARBOREA Say.
PYRAMIDULA ALTERNATA Say.

Junction of Bushley Creek and Old River, a fork of Little River,
Catahoula Parish, La.:

ZONITOIDES ARBOREA Say.

Donohue Ferry, Little River, Catahoula Parish, La.:

STROBILOPS LABYRINTHICA Say.
VITREA INDENTATA UMBILICATA Ckll.
ZONITOIDES ARBOREA Say.
ZONITOIDES MINUSCULA Binn.
EUCONULUS CHERSINUS DENTATUS St.

Two miles above Jonesville, Little River, La.:

POLYGYRA THYROIDUS Say.
POLYGYRA MONODON FRIERSONI Pils. A small form.
POLYGYRA LEPORINA Gld.
PYRAMIDULA ALTERNATA Say.
VITREA INDENTATA Say.
ZONITOIDES ARBOREA Say.
EUCONULUS CHERSINUS Say.

Mr. Cody's Place, O'Neil Landing, Yazoo River, Yazoo Co., Miss.:

POLYGYRA APPRESSA PERIGRAPTA Pils.
BIFIDARIA CONTRACTA CLIMEANA Van.
BIFIDARIA PENTODON Say.
STROBILOPS STREBELI AENEA Pils.
VITREA INDENTATA Say.
ZONITOIDES ARBOREA Say.
PYRAMIDULA ALTERNATA Say.

Near Anderson Landing, Sunflower River, Sharkey Co., Miss.:

POLYGYRA ALBOLABRIS Say. Young.
POLYGYRA DENOTATA Fer.

BIFIDARIA PENTODON Say.

BIFIDARIA CONTRACTA CLIMEANA Van.

STROBILOPS STREBELI Pfr.

VITREA INDENTATA Say.

ZONITOIDES ARBOREA Say.

ZONITOIDES SINGLEYANA Pils. Greenish-yellow.

PYRAMIDULA ALTERNATA Say.